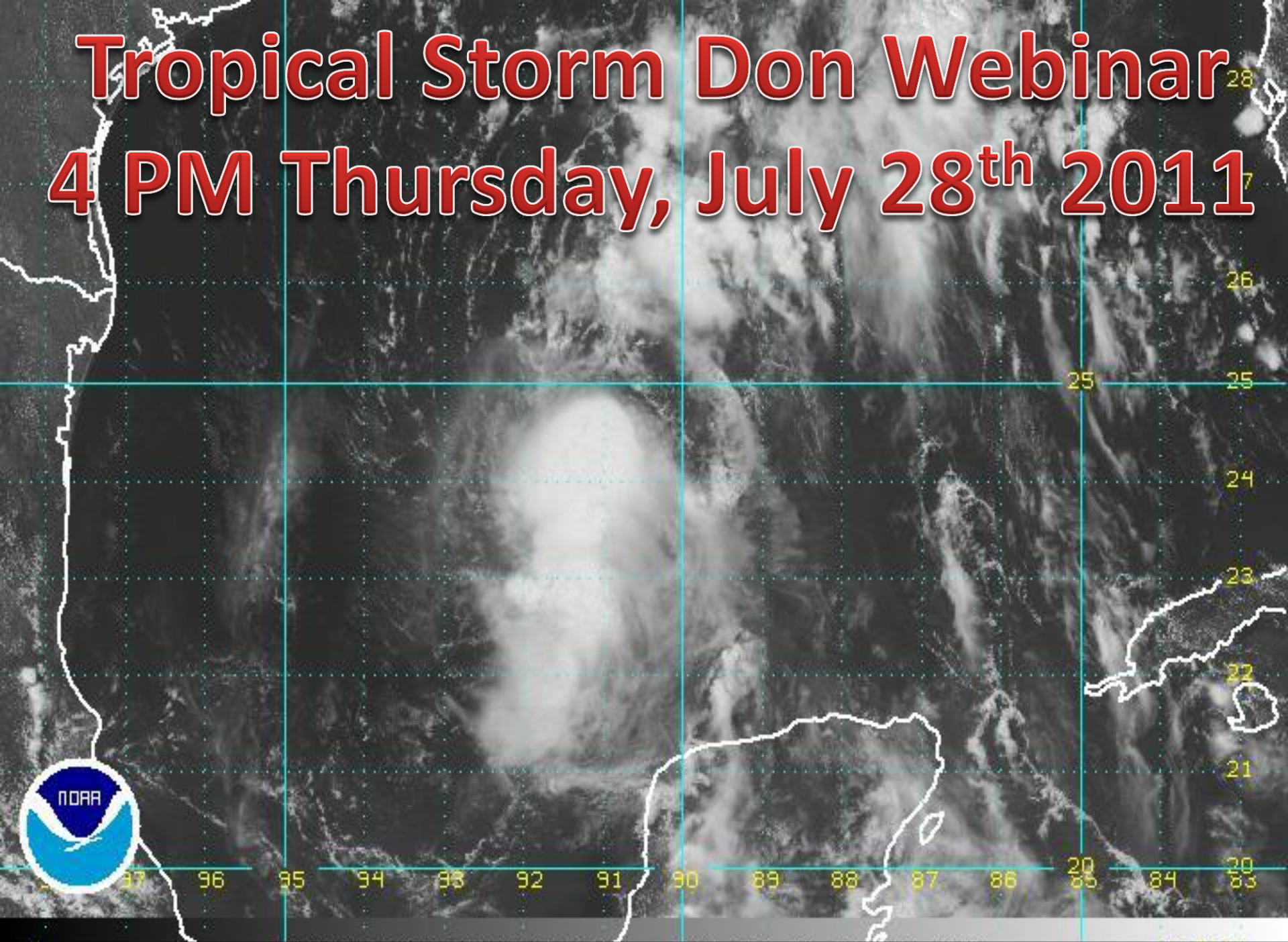
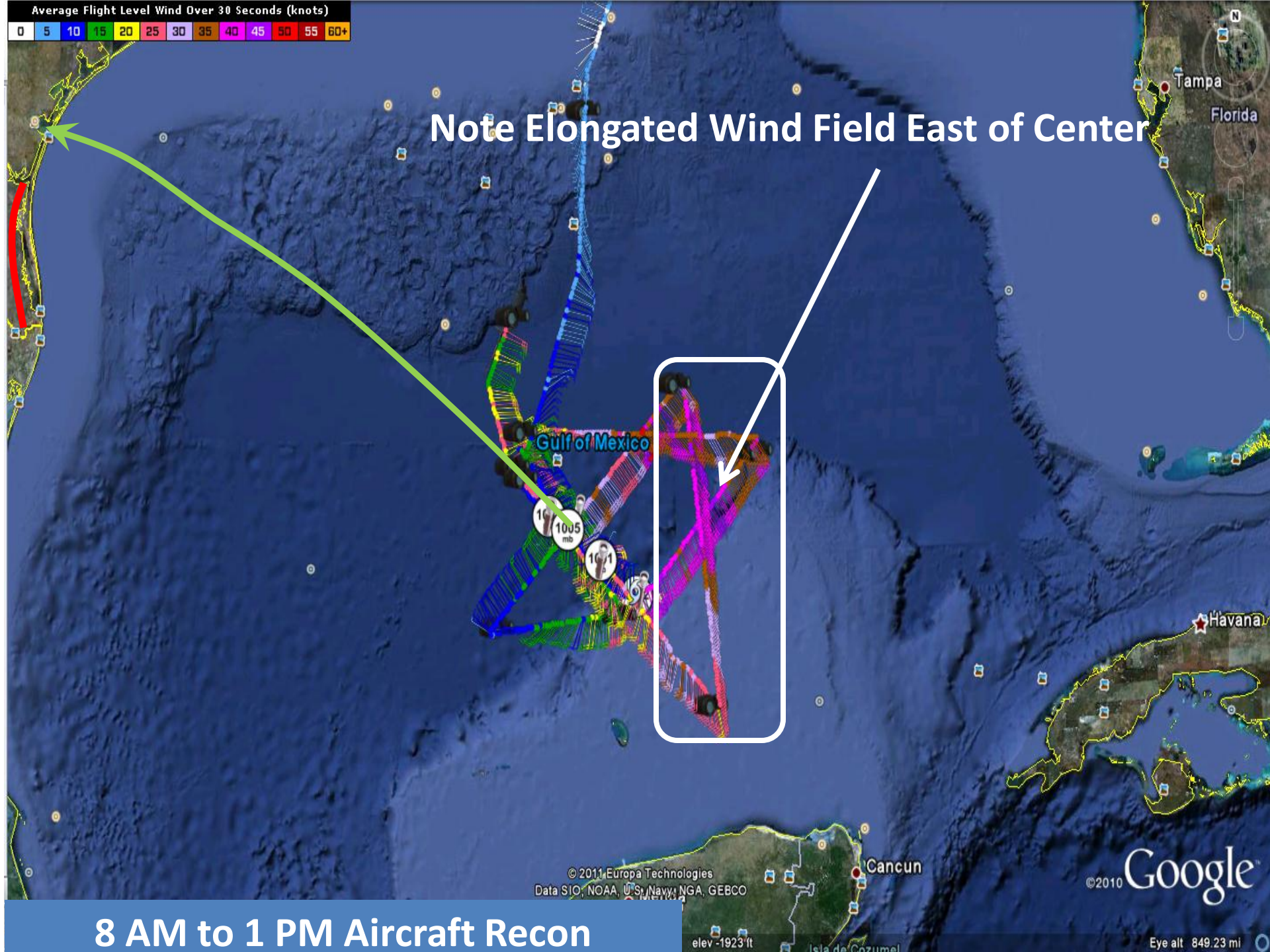


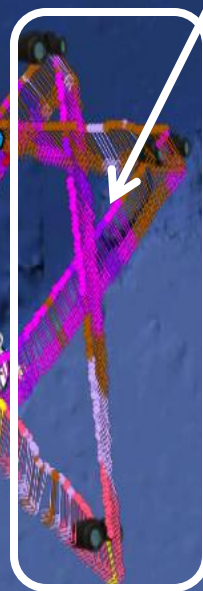
Tropical Storm Don Webinar

4 PM Thursday, July 28th 2011





Note Elongated Wind Field East of Center



© 2011 Europa Technologies
Data SIO, NOAA, U.S. Navy, NGA, GEBCO

© 2010 Google

8 AM to 1 PM Aircraft Recon

elev -1923'ft

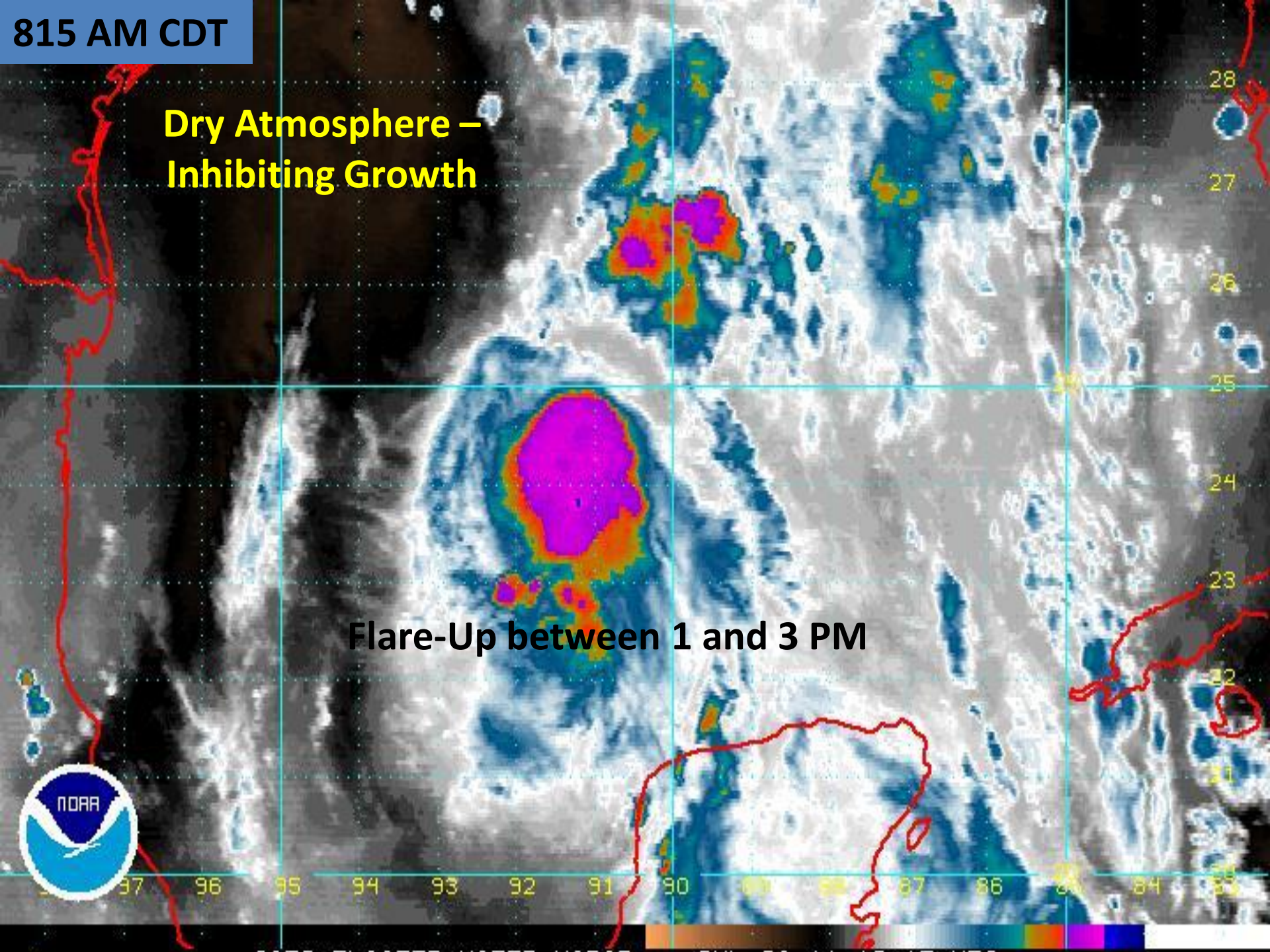
Isla de Cozumel

Eye alt 849.23 mi

815 AM CDT

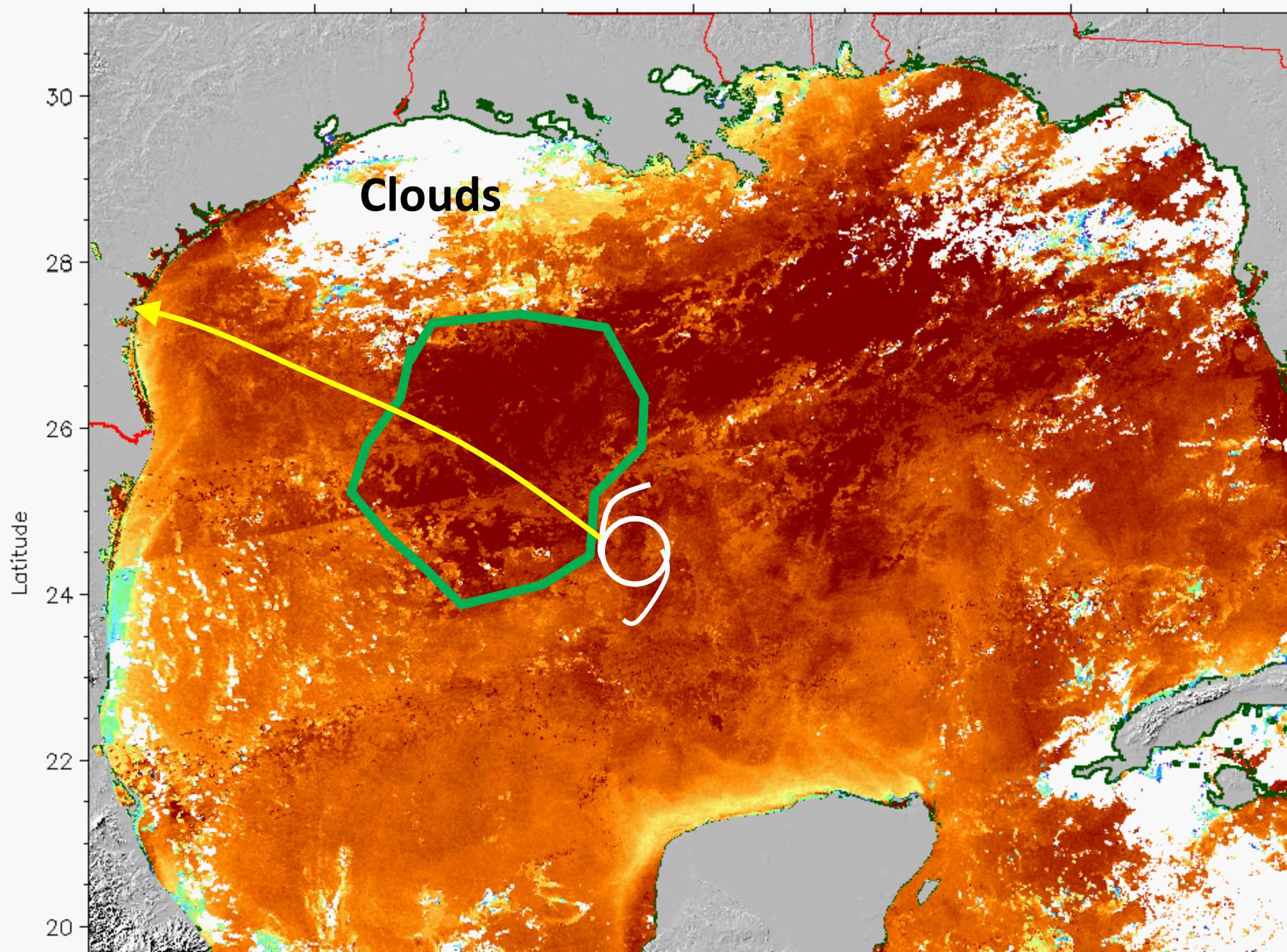
**Dry Atmosphere –
Inhibiting Growth**

Flare-Up between 1 and 3 PM

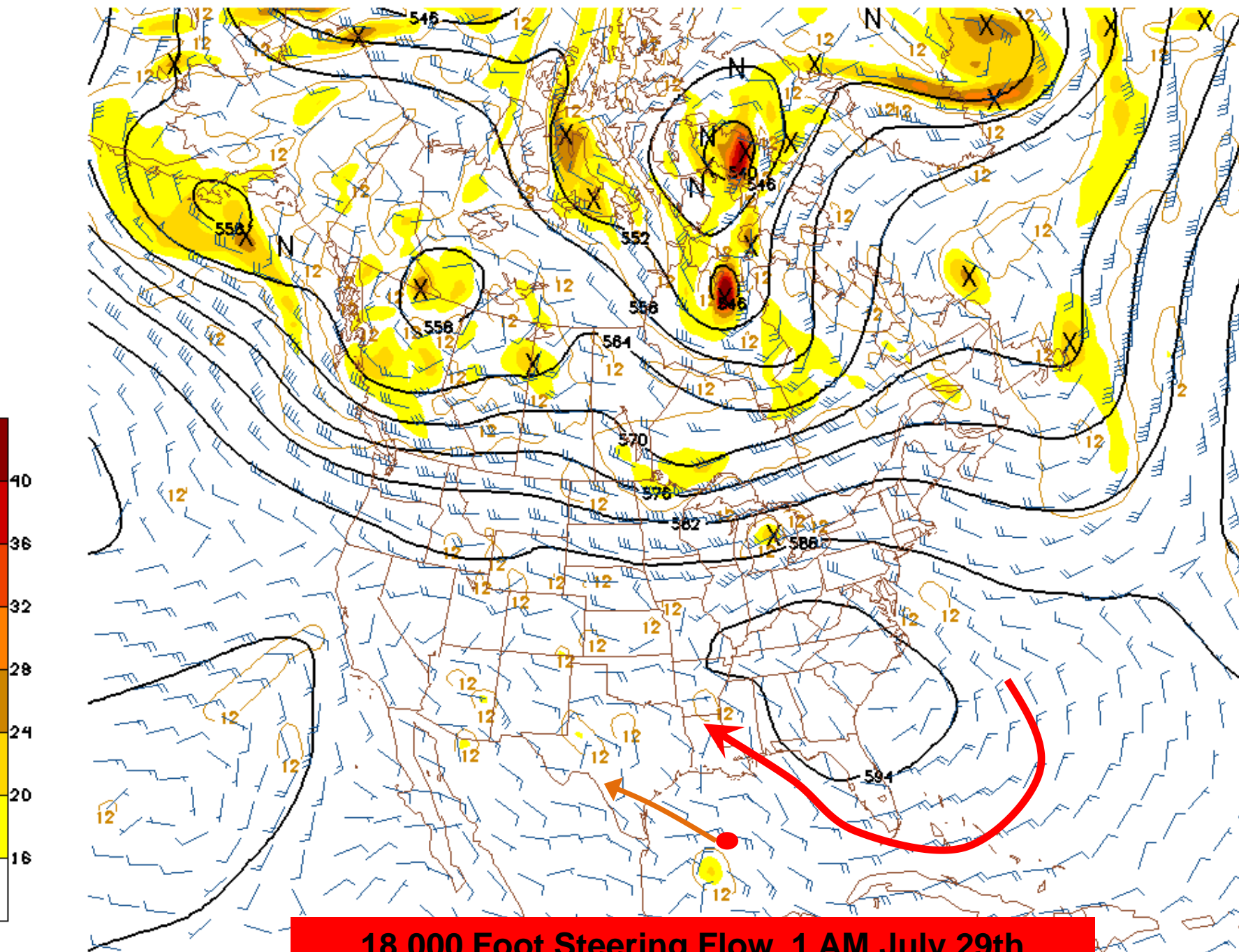


Tale of the Tape – 4 PM CDT

- Location: 24.8N -91.3W, or 370 miles ESE of South Padre Island
- Movement: WNW/NW at 16 mph
- Intensity: Small core of 45 mph sustained winds. Largest area of strong wind remains in the eastern semi-circle
- Strongest winds are elongated in this semicircle from north to south

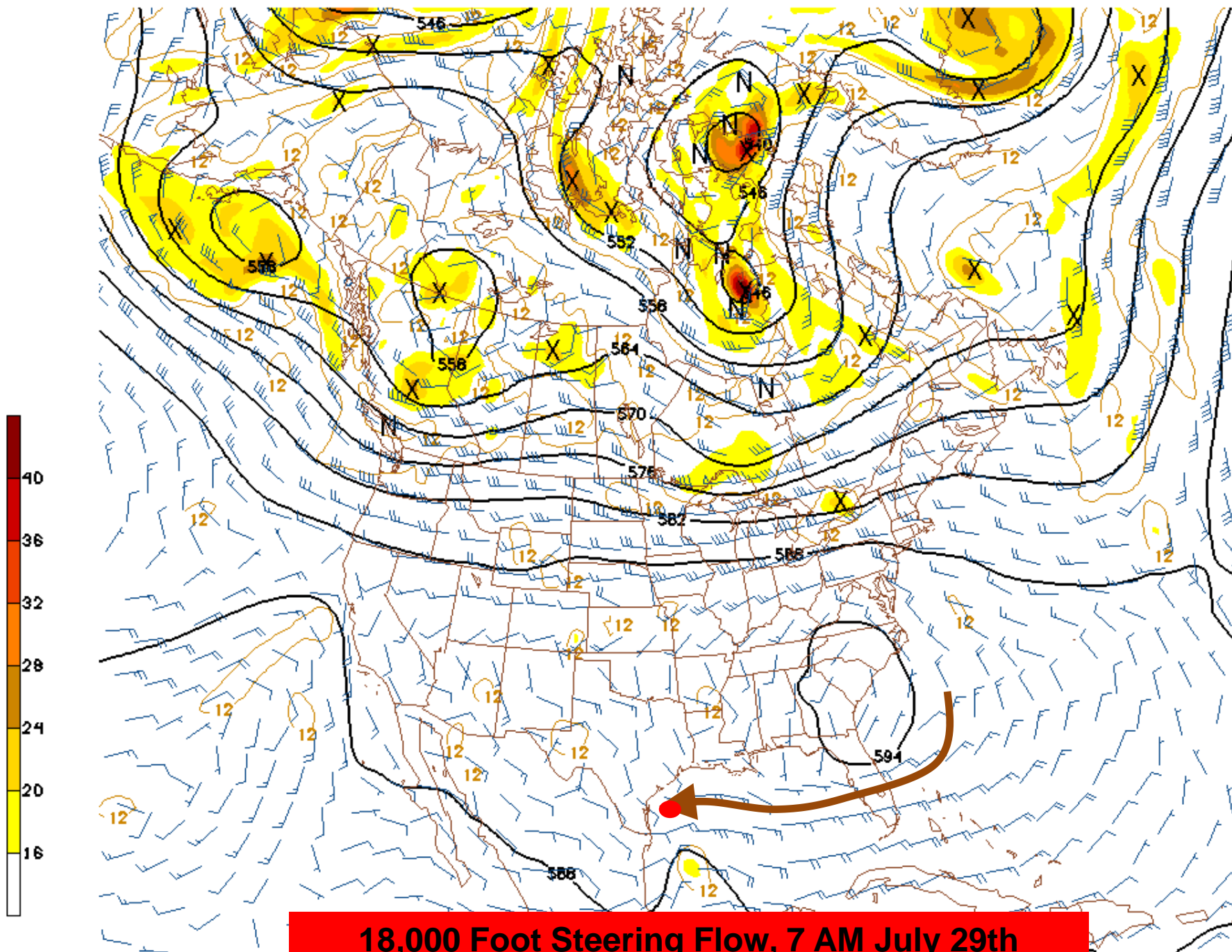


110729/0600V01B GFS 500 MB HGT, 6EO ABS VORTICITY



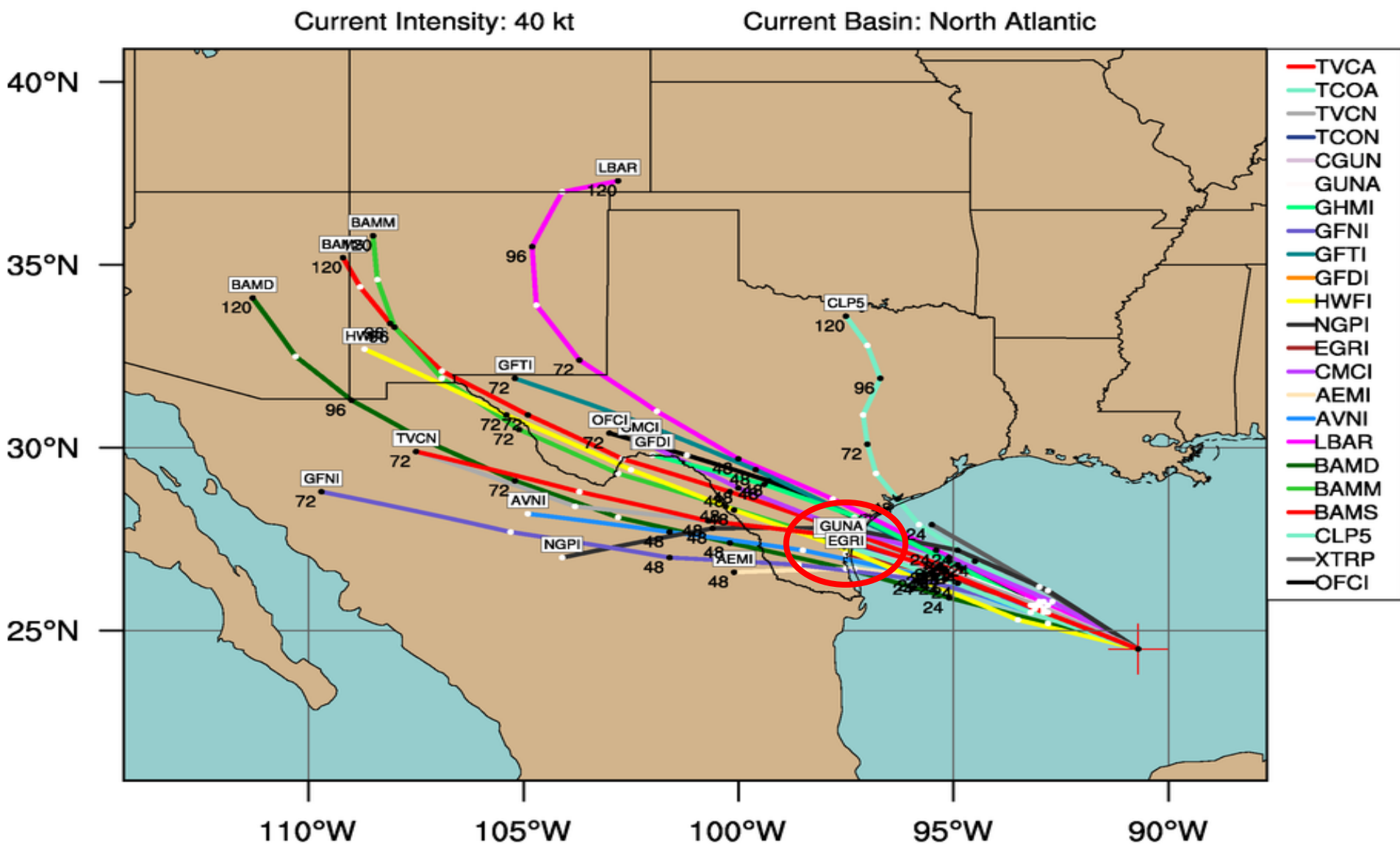
18,000 Foot Steering Flow, 1 AM July 29th

110729/1200V024 GFS 500 MB HGT, 6EO ABS VORTICITY



TROPICAL STORM DON (AL04)

Early-cycle track guidance valid 1800 UTC, 28 July 2011

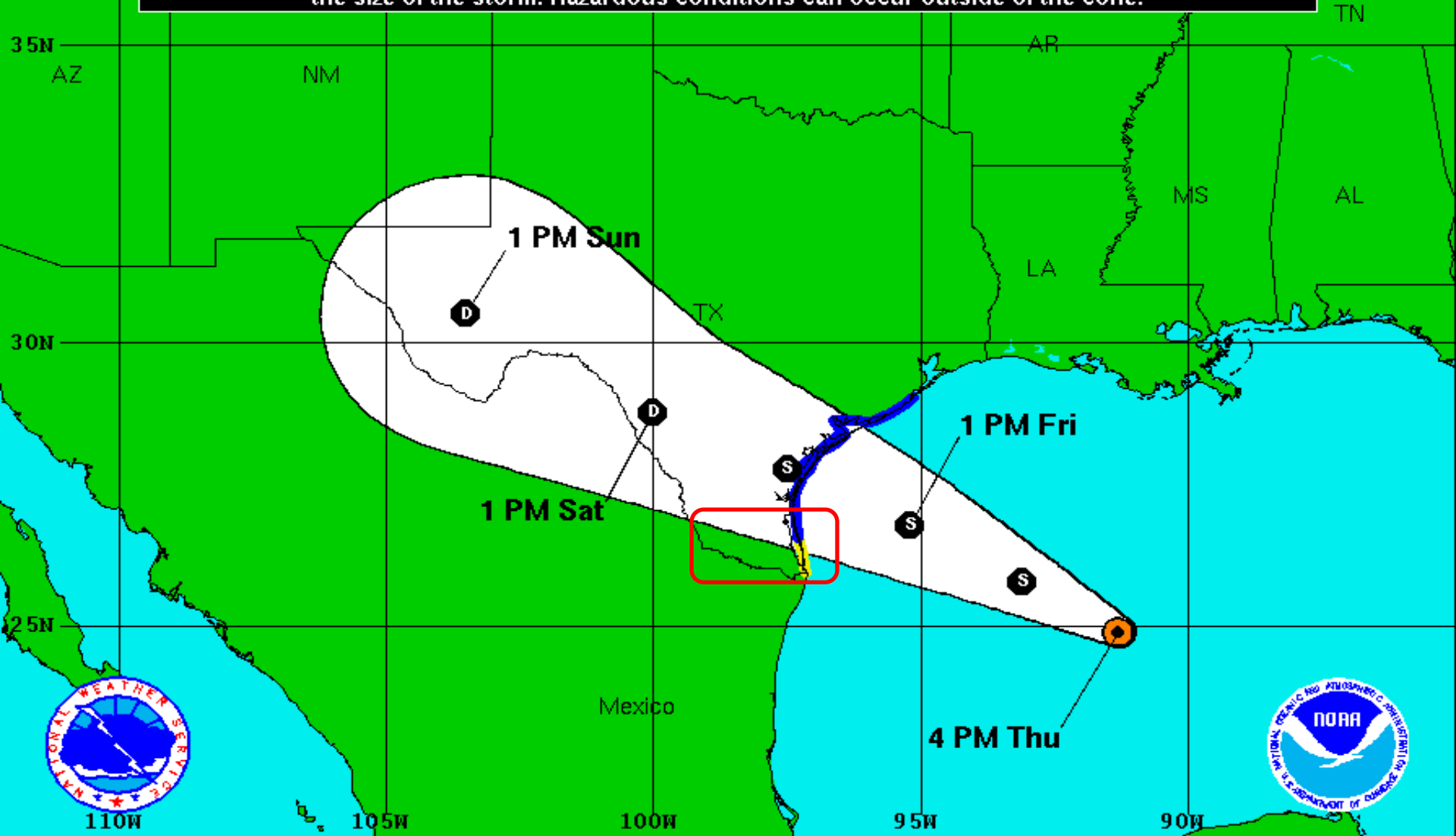


By using this plot, the user agrees to the UCAR Terms of Use
which can be accessed at: <http://www2.ucar.edu/terms-of-use>


valid 1200 UTC, 28 July 2011





Note: The cone contains the probable path of the storm center but does not show the size of the storm. Hazardous conditions can occur outside of the cone.



Tropical Storm Don
 Thursday July 28, 2011
 4 PM CDT Advisory 5
 NWS National Hurricane Center

Current Information: 
 Center Location 24.9 N 91.3 W
 Max Sustained Wind 45 mph
 Movement NW at 16 mph

Forecast Positions:
 Tropical Cyclone  Post-Tropical
 Sustained Winds: D < 39 mph
 S 39-73 mph H 74-110 mph M > 110mph

Potential Track Area:
 Day 1-3  Day 4-5

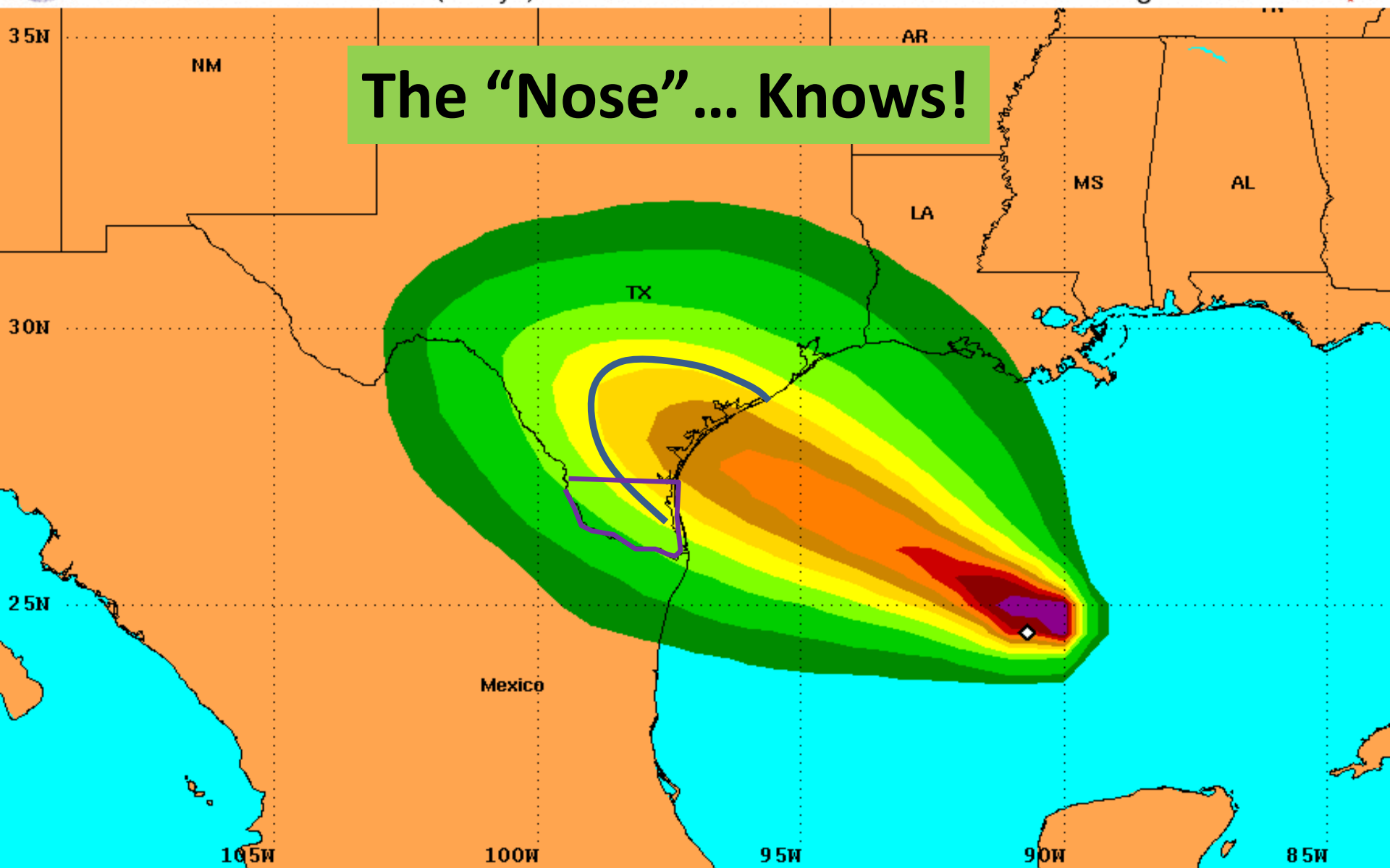
Watches:
 Hurricane  Trop.Storm

Warnings:
 Hurricane  Trop.Storm



PRELIMINARY (SINGLE STORM) Tropical Storm Force Wind Speed Probabilities
For the 120 hours (5 days) from 1 PM CDT Thu Jul 28 to 1 PM CDT Tue Aug 2

The "Nose" ... Knows!



Probability of sustained tropical storm force surface winds (1-minute average of 39 mph or greater)

◊ indicates TROPICAL STORM DON center location at 1 PM CDT Thu Jul 28 2011 (Forecast/Advisory #5)



Local forecast by
"City, St" or Zip Code

City, St Go

XML RSS Feeds

Current Hazards

Local
Nationwide
Outlooks
Hurricane Center
RGV Text
Texas Text
Tropical Impacts

Forecasts

Local
Forecast Discussion
Activity Planner
Graphical
Tropical Weather
Winter Weather
Fire Weather
Aviation Weather
Marine Weather
Gulf Wave Model
Spot Forecast
Wireless Weather
National Weather

Current Weather

Observations
Satellite Images
Rivers/Lakes
Rainfall Estimates
Map Observations
RGV Drought
Graphicasts
Data Program

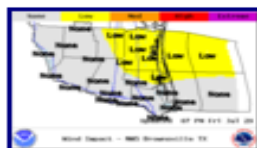
Radar Imagery

Nationwide
Brownsville
Corpus Christi
Southern Plains
Experimental

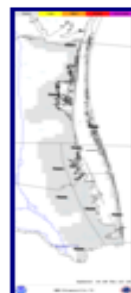
Climate

Local
National

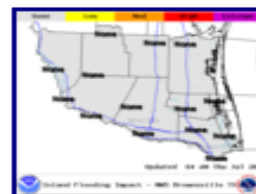
Experimental TROPICAL CYCLONE IMPACTS - DECISION SUPPORT



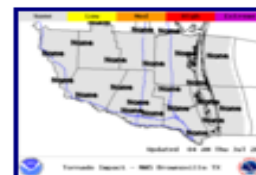
Wind



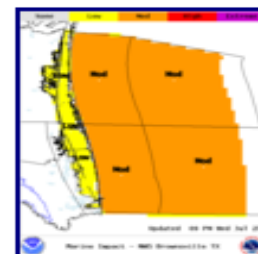
Coastal Flood



Inland Flooding



Tornadoes



Marine

Wind

Coastal Flood

Inland Flood

Tornadoes

Marine

Wind Hazard - TROPICAL STORM DON



Potential Impact

Impact to Life and Property

None

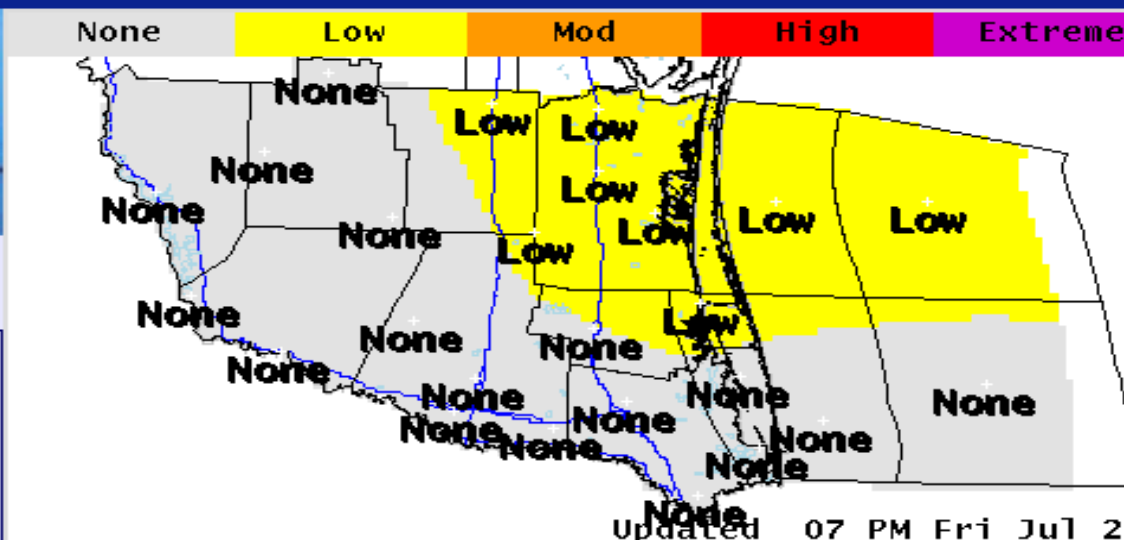
Low

Moderate

High

Extreme

Description: The graphic depicts the potential impact from tropical cyclone winds across the specified area valid through the event. It is based on the likelihood of experiencing tropical cyclone force winds and wind



Updated 07 PM Fri Jul 29



Wind Impact - NWS Brownsville TX



☒ Enable/Disable mouse-over text

Link to NETCDF file download: [CurrentFcst.bro.cdf](#)

None

Threat (limited, or no, impact) - No discernable threat to life and property; winds to remain below tropical storm-force (39 mph), but windy conditions may still be present.

Minimum Action - Evaluate personal and community disaster plans and ensure seasonal preparedness activities are complete.

Potential Impact - Wind damage is not expected; impact should be negligible.

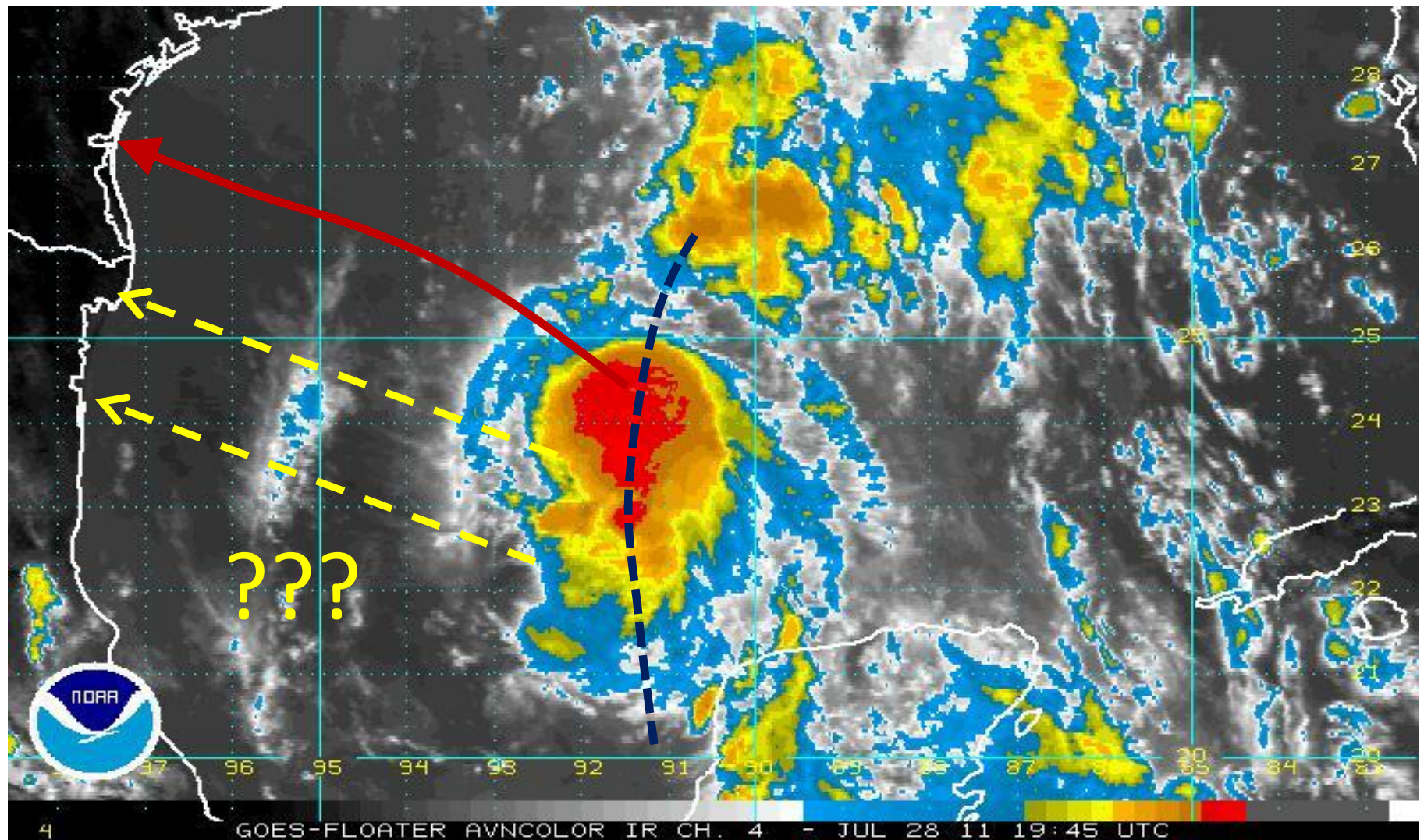
Low

Threat - An elevated threat to life and property; the likelihood for moderate tropical storm force sustained winds (39 to 57 mph) with gusts from 58 to 73 mph.

Minimum Action - Prepare for minor to locally moderate wind damage.

Potential Impact - Winds will be capable of causing damage to unanchored mobile homes, porches, carports, and awnings; some shingles blown from roofs. Large branches break off trees; some shallow-rooted and diseased trees blown down. Loose objects are easily blown about and become dangerous projectiles. Winds dangerous on bridges and causeways, especially for high profile vehicles. Scattered power outages, especially in areas with above ground lines.

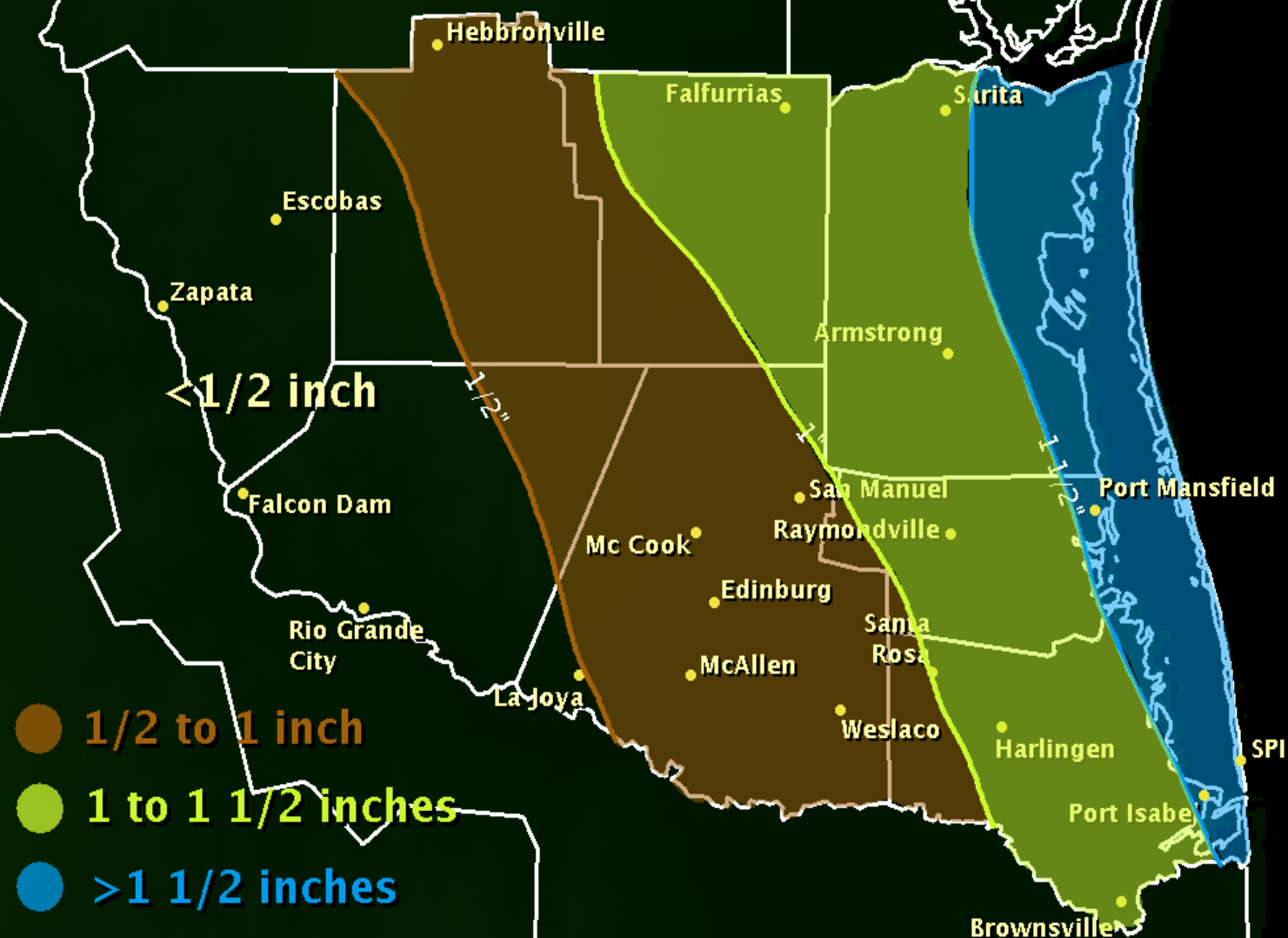
A wild card: More Rain?



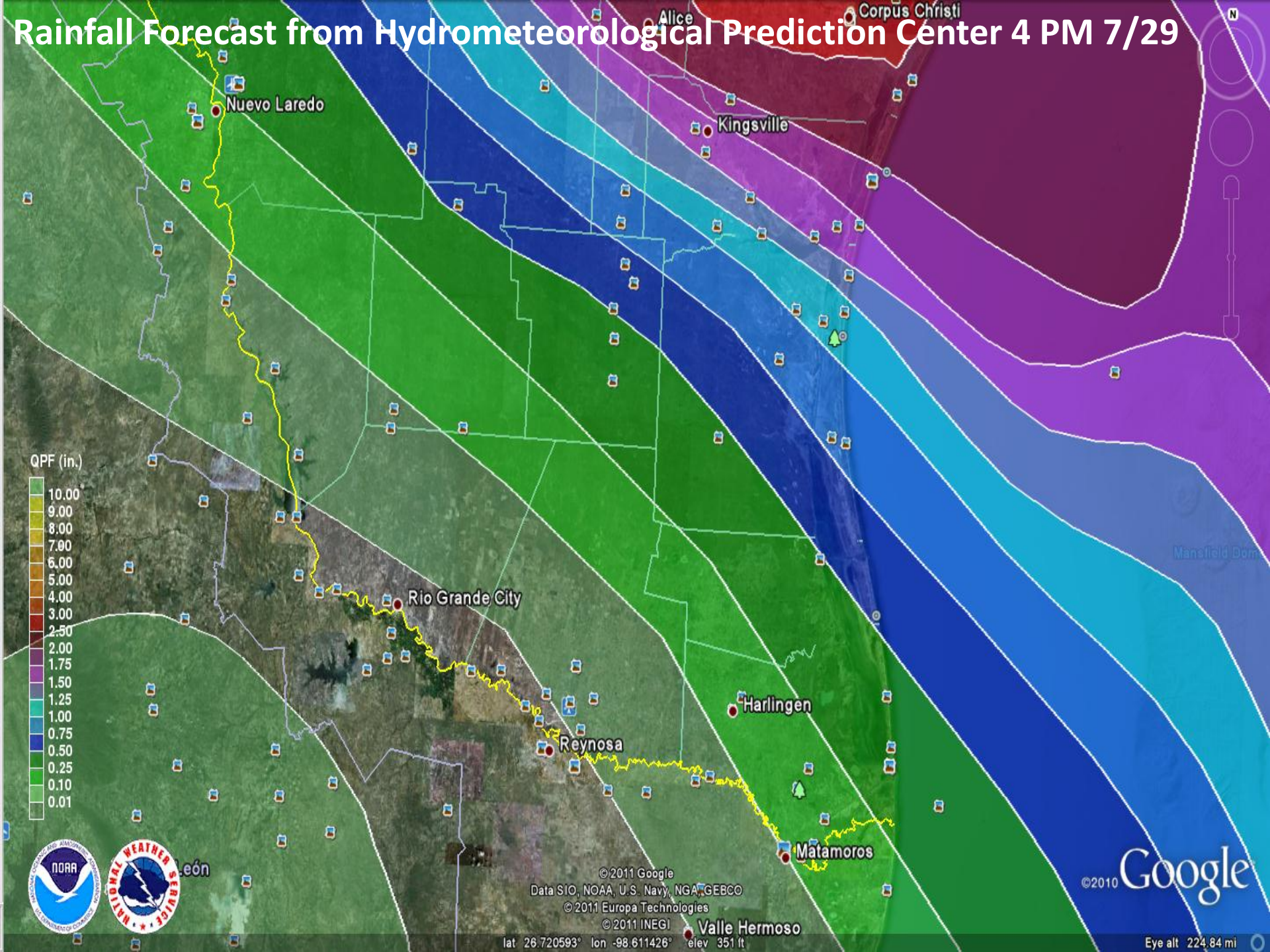
0.0 1.7 3.0 4.2 5.4 6.5 7.7 8.9 10.1 11.2 12.4

Potential Rainfall – TS Don/Elongated Wave

2 PM Friday – 2 PM Saturday



Rainfall Forecast from Hydrometeorological Prediction Center 4 PM 7/29



© 2011 Google
Data SIO, NOAA, U.S. Navy, NGA, GEBCO
© 2011 Europa Technologies
© 2011 INEGI

© 2010 Google

lat 26.720593° lon -98.611426° elev 351 ft

Eye alt 224.84 mi

The Bottom Line

- **Wind:** No Threat to the Valley, outside of gusty showers. Minimal Threat to the King Ranch.
- **Rain:** Two scenarios:
 - If storm “wraps” up, little or no rainfall for the RGV, ½ to 1 inch for King Ranch through Falfurrias
 - If storm acts like a “tropical wave”, 1 to 1.5 inches Lower Valley, less elsewhere. Gusty, squally showers with wind gusts to 30 mph. Like “Arlene”, but less rainfall.
- **Surge:** No threat. Tides may run ½ foot above predicted Friday.
- **Rip Current:** Threat increasing to Moderate/Moderate High Friday and Saturday from swells. Careful at the Beach!
- **Tornado:**
 - If storm “wraps up”: No threat.
 - If storm remains elongated: Cannot rule out isolated spin-up Friday afternoon/evening.

Finally...

- Still a good time to keep clearing poor drainage areas through noon Friday.
- Unclogged areas in the core of a torrential squall could see some urban flooding . Will take 2+ inches.
- Eventually, it **will rain again** in the RGV. Maybe not soon, but definitely by September!

Questions???

